

APPENDIX B

Photos

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 1 SS1 Looking Upstream (0m)



Photo 2 SS1 Looking Downstream (100m)



Photo 3 SS1 Looking Downstream (150m)



Photo 4 SS1 Looking Upstream (250m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 5 SS2 Looking Downstream (0m)



Photo 6 SS2 Looking Upstream (50m)



Photo 7 SS2 Looking Upstream (100m)



Photo 8 SS2 Looking Upstream (150m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 9 SS2 at Falls Looking Upstream (200m)



Photo 10 SS2 Looking Downstream (250m)



Photo 11 SS2 Looking Upstream (300m)



Photo 12 SS2 Looking Upstream (350m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 13 SS4 Looking Downstream (0m)



Photo 14 SS4 Looking Downstream (50m)



Photo 15 SS4 Looking Downstream (100m)



Photo 16 SS4 Looking Downstream (150m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 17 SS4 Looking Upstream (200m)



Photo 18 SS4 Looking Upstream (250m)



Photo 19 SS4 Looking Upstream (300m)



Photo 20 SS4 Looking Upstream (350m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 21 SS4 Looking Downstream (400m)



Photo 22 SS4 Looking Downstream (450m)



Photo 23 SS5 Looking Downstream (0m)



Photo 24 SS5 Looking Upstream (50m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 25 SS5 Looking Upstream (100m)



Photo 26 SS5 Looking Upstream (150m)



Photo 27 SS5 Looking Downstream (200m)



Photo 28 SS5 Looking Upstream (250m)

Aquatic Habitat Survey - 27 to 30 October, 2020



Photo 29 SS5 Looking Upstream (300m)



Photo 30 SS5 Looking Downstream (350m)



Photo 31 SS6 Looking Upstream (0m)

APPENDIX C

Hydrometric Station Summary Sheets

Hydrometric Station Summary

Hydrometric Station ID LL1
Location SS1
Installation Date 10/28/2020
Coordinates 49.96678°N, 56.08350°W
Slope of Channel 1.54%
Drainage Area 0.592 km²
Period of Logger Record 2020 (October-January), 2021 (May-November)

Flow meter used FlowTracker
Time Averaging 20 seconds
Data Collected at site Water temperature, water level, manual flow
Number of spot measurements 4
Channel Bottom Cobble, Gravel
Flood Plain Grasses, Shrubs
Comments



LL1 Catchment Area

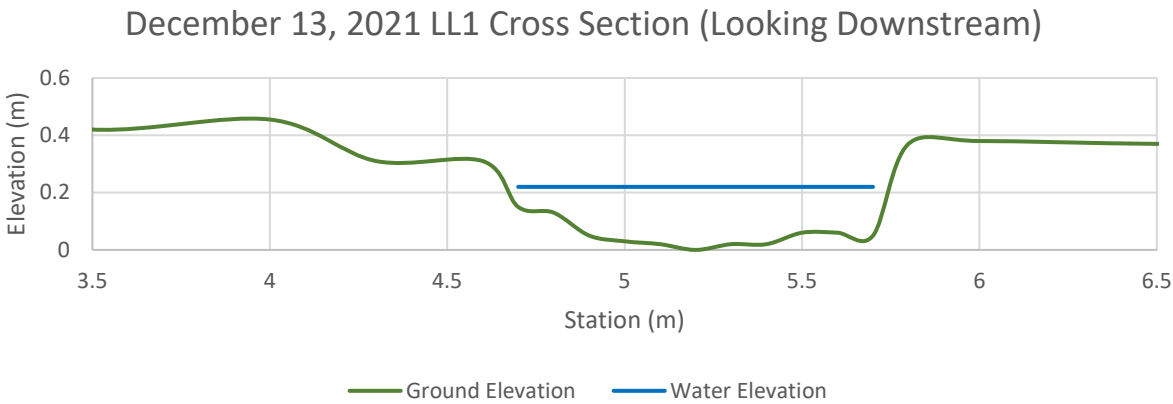


LL1 Looking Upstream

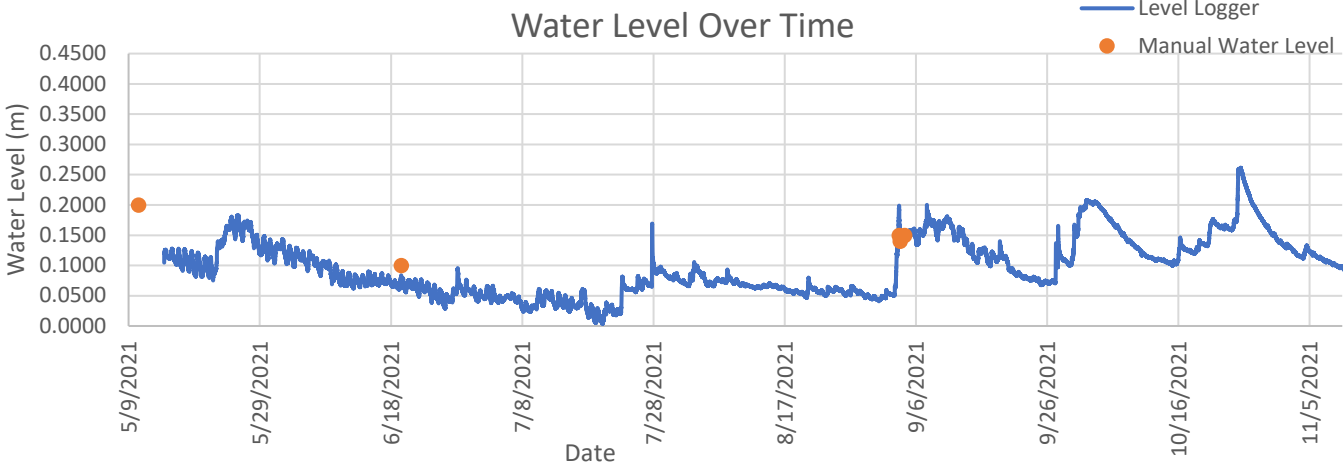
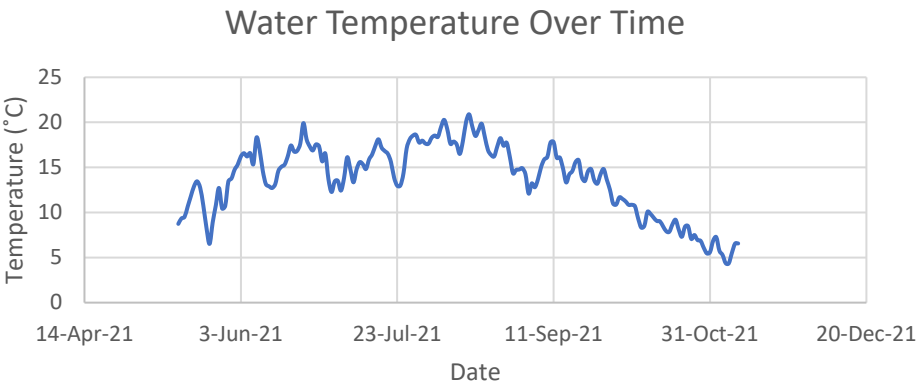


LL1 Looking Downstream

Date	Time	Max Depth (m)	Flow (m³/s)
10/28/2020	1:56:22 PM	0.09	-
5/10/2021	12:33:40 PM	0.2	-
6/19/2021	1:36:00 PM	0.1	-
12/13/2021	11:24:00 AM	0.2	-



No Stage-Discharge Graph Available.



No Flow Data Available.

Hydrometric Station Summary

Hydrometric Station ID LL2
Location SS2
Installation Date 10/30/2020
Coordinates 49.966033°N, 56.093726°W
Slope of Channel 1.41%
Drainage Area 1.22 km²
Period of Logger Record 2020 (October-January), 2021 (May-November)

Flow meter used FlowTracker
Time Averaging 20 seconds
Data Collected at site Water temperature, water level, manual flow
Number of spot measurements 4
Channel Bottom Cobble, Gravel
Flood Plain Mixed wood forest, shrubs
Comments



LL2 Catchment Area



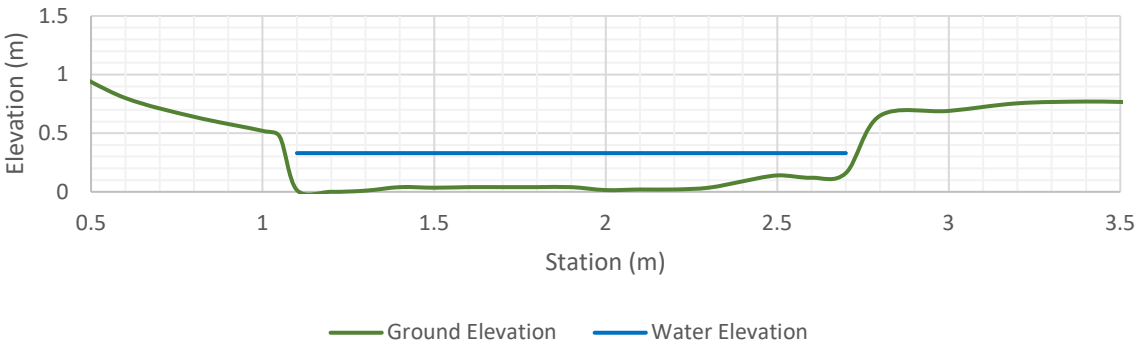
LL2 Looking Upstream



LL2 Looking Downstream

Date	Time	Max Depth (m)	Flow (m³/s)
10/30/2020	11:08:58 AM	0.08	-
6/19/2021	12:27:00 PM	0.32	-
9/3/2021	2:10:54 PM	0.32	-
10/25/2021	N/A	0.52	-

December 13, 2021 LL2 Cross Section (Looking Downstream)

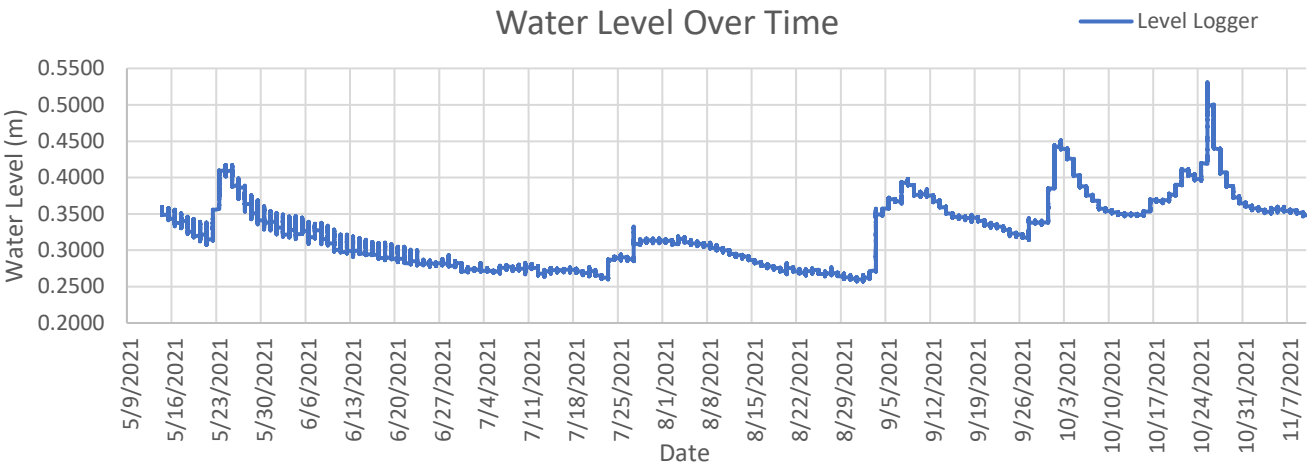


No Stage-Discharge Graph Available.

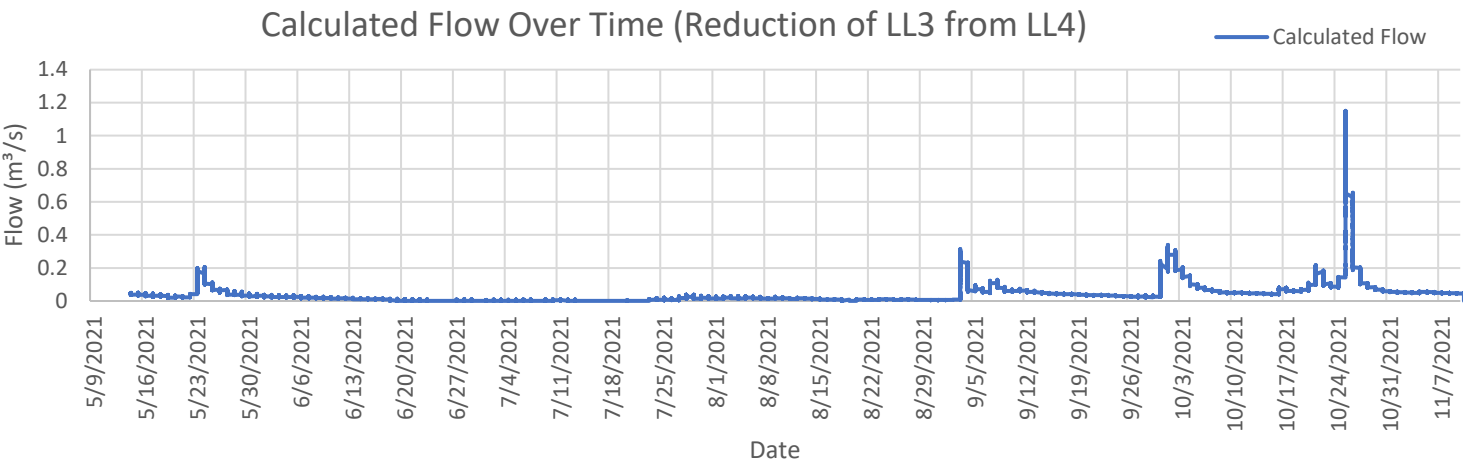
Water Temperature Over Time



Water Level Over Time



Calculated Flow Over Time (Reduction of LL3 from LL4)



Hydrometric Station Summary

Hydrometric Station ID LL3
Location SS3 Upstream of Convergence
Installation Date 10/30/2020
Coordinates 49.965975°N, 56.094067°W
Slope of Channel 1.22%
Drainage Area 2.0 km²
Period of Logger Record 2020 (October-January), 2021 (May-November)

Flow meter used FlowTracker
Time Averaging 20 seconds
Data Collected at site Water temperature, water level, manual flow
Number of spot measurements 5
Channel Bottom Cobble, Gravel
Flood Plain Mixed wood forest, shrubs
Comments



LL3 Catchment Area

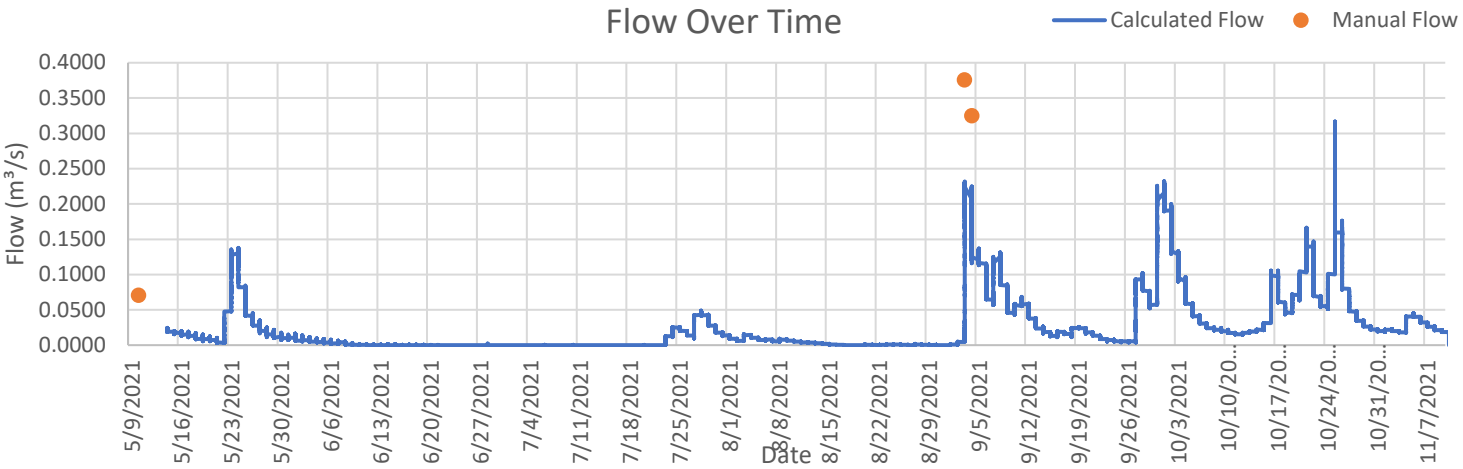
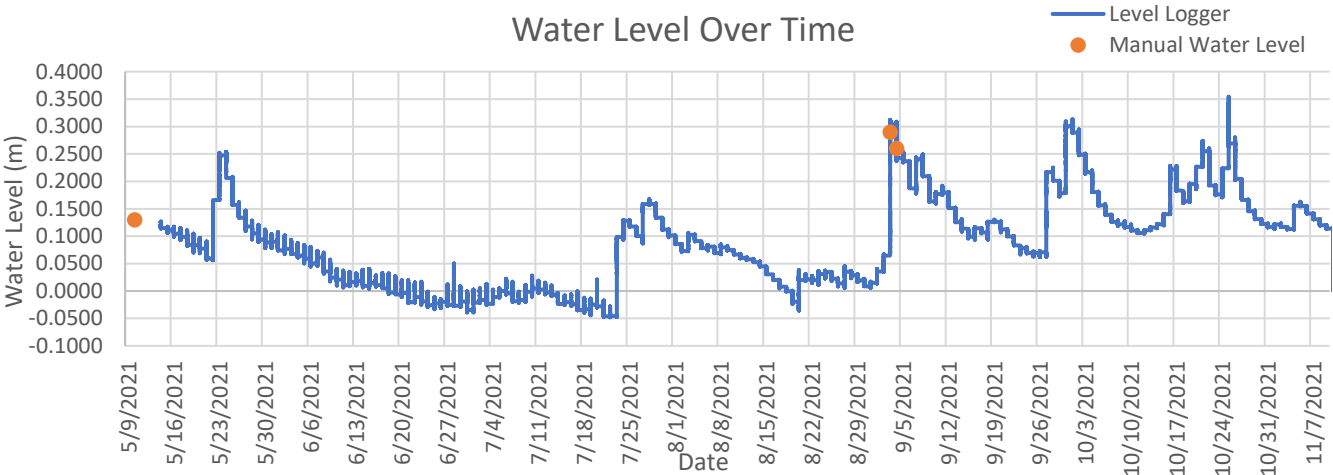
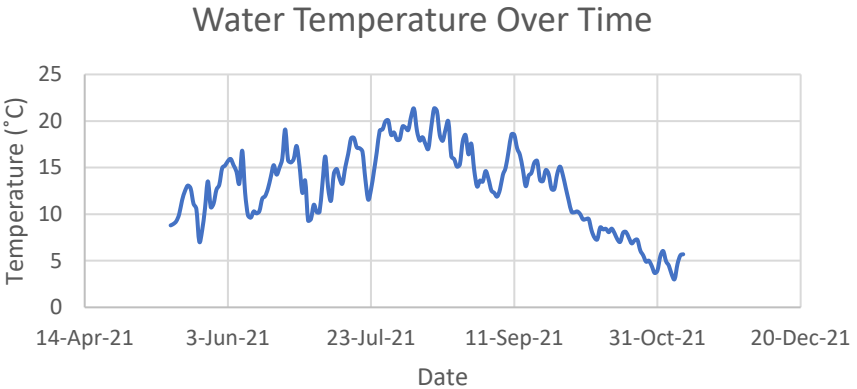
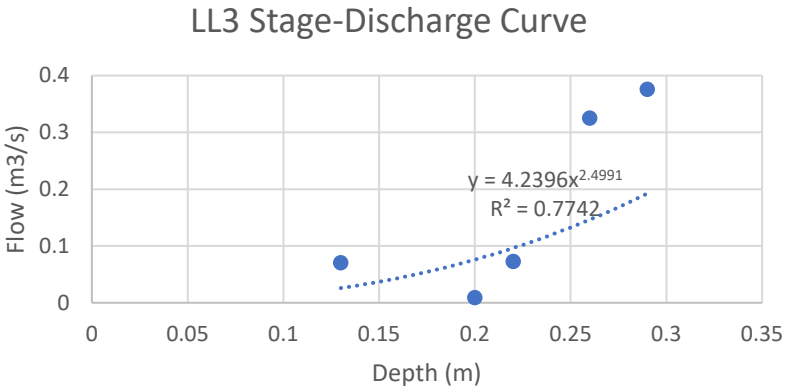
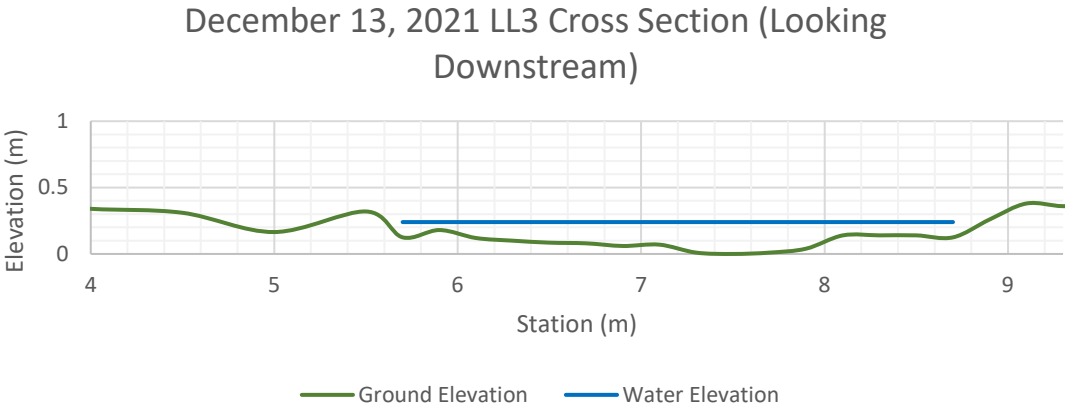


LL3 Looking Upstream



LL3 Looking Downstream

Date	Time	Max Depth (m)	Flow (m³/s)
10/30/2020	10:43:28 AM	0.2	0.009
5/10/2021	8:47:10 AM	0.13	0.070
9/3/2021	1:36:00 PM	0.29	0.376
9/4/2021	8:27:00 AM	0.26	0.325
12/13/2021	2:24:00 PM	0.22	0.072



Hydrometric Station Summary

Hydrometric Station ID	LL4	Flow meter used	FlowTracker	
Location	SS4	Time Averaging	20 seconds	
Installation Date	10/30/2020	Data Collected at site	Water temperature, water level, manual flow	
Coordinates	49.966361°N, 56.093975°W	Number of spot measurements	8	
Slope of Channel	2.50%	Channel Bottom	Cobble, Gravel	
Drainage Area	3.22 km²	Flood Plain	Mixed wood forest, shrubs	
Period of Logger Record	2020 (October-January), 2021 (May-November)		Comments	



LL4 Catchment Area



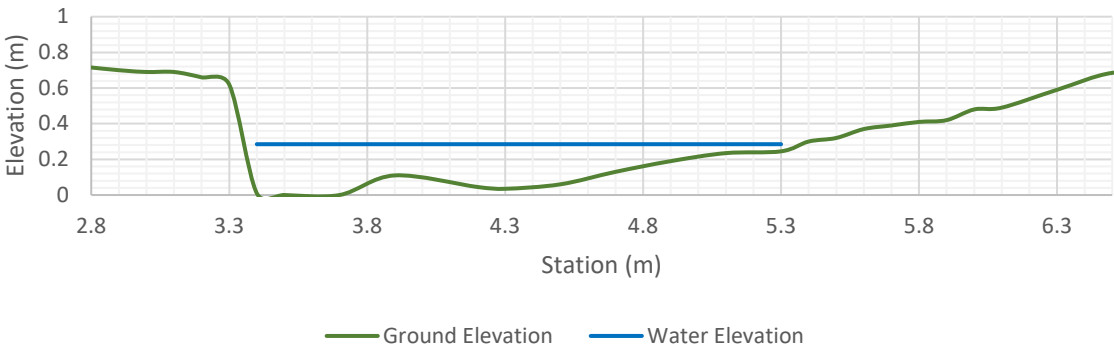
LL4 Looking Upstream



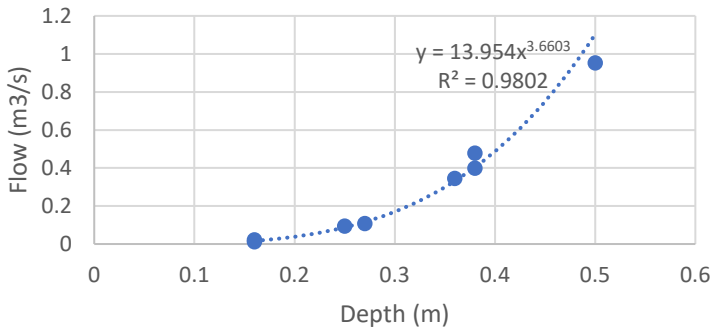
LL4 Looking Downstream

Date	Time	Max Depth (m)	Flow (m³/s)
10/30/2020	11:34:34 AM	0.16	0.022
5/10/2021	7:38:24 AM	0.27	0.108
6/19/2021	11:30:00 AM	0.16	0.012
9/3/2021	12:54:00 PM	0.38	0.399
9/3/2021	4:10:00 PM	0.38	0.478
9/4/2021	7:50:00 AM	0.36	0.345
10/25/2021	N/A	0.5	0.952
12/14/2021	11:25:00 AM	0.25	0.095

December 14, 2021 LL4 Cross Section (Looking Downstream)



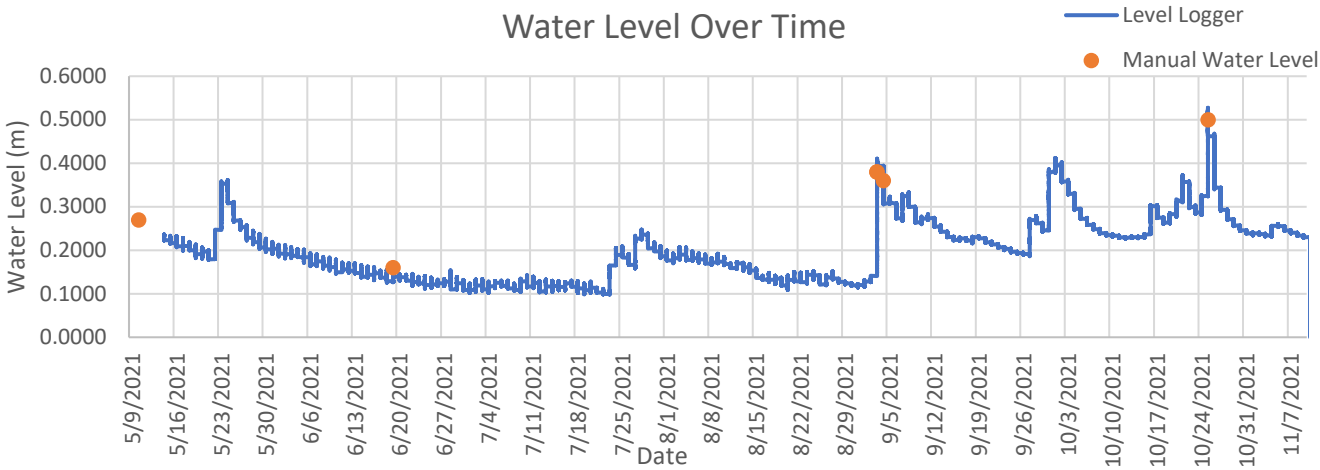
LL4 Stage-Discharge Curve



Water Temperature Over Time



Water Level Over Time



Flow Over Time

